Nissin DIGITAL SPEEDLITE Di28

Nissin Speedlite Di28

A COMPACT PROFESSIONAL FLASH

INSTRUCTION MANUAL

Nissin Speedlite Di28 is developed for digital SLR cameras with the latest TTL flash control technology.

Type C is for **Canon EOS** digital SLR cameras, model 300D(Rebel), 350D(Rebel XT), 400D(Rebel XTi), 10D, 20D, 30D, 5D, 1D Mark II, 1D Mark II N, 1Ds Mark II as well as Proshot G7.
It works automatically with E-TTL II and E-TTL auto-flash system.

Type N is for **Nikon** digital SLR cameras, model D40, D40x, D50, D70, D70s, D80, D200, D2Xs, D2X, D2Hs, D2H, as well as Coolpix P5000, and Fuji FinePix S5Pro.
It works automatically with i-TTL auto-flash system.
Attach Di28 to your camera, and then almost all jobs are controlled by the camera for the most proper exposure.

Flash exposure compensation control is provided so that you can choose fairly controlled flash exposure you desire.

Read this instruction manual and refer your camera owner's manual to enjoy flash photography.

Nissin

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Nissin Marketing Ltd., Hong Kong

⚠ WARNING

This sign refers the danger or serious damage.

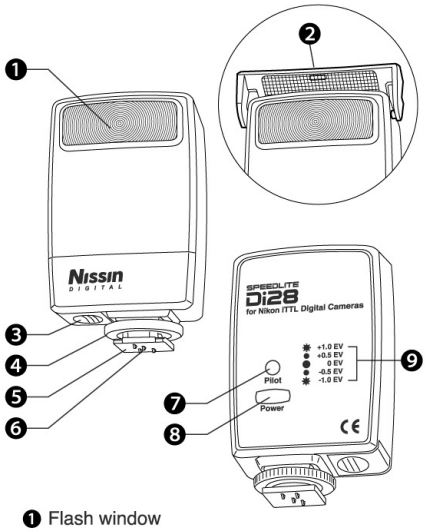
- The flash unit contains high voltage electric parts. Do not try to open or repair the flash unit. Return it back to the repair service station or the store you bought it.
- Do not touch the inside parts from the opening when the unit was dropped and broken.
- Do not fire the flash to the eye at short distance. It may damage the eye. When taking flash picture especially toward a baby, keep the flash unit at least 1 meter (3.3feet) away from the subject.
- Do not use the flash unit in the flammable gas, chemicals or such liquids. I may cause fire or electric shock.

⚠ CAUTIONS

This sign refers the damage or defect.

- Do not leave or store the flash unit in the temperature over 40°C, such like in the automobile.
- The flash unit is not water resistance. Keep the unit away from rain, snow and humidity.
- Do not use benzene, thinner or other alcoholic agents to clean the unit.
- Do not use this flash with the cameras which is not listed in this instruction manual, otherwise it may damage the camera's circuitry.
- Remove the batteries when not in use for a longer period of time.

■ Nomenclature

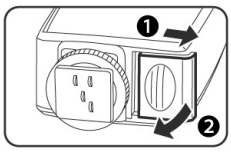


1. Flash window
2. Light diffuser (Detachable)
3. Battery compartment door
4. Lock ring
5. Mounting foot
6. Hotshoe contacts
7. Pilot lamp / Test flash button
8. Power switch / Flash exposure compensation selector (Push button switch)
9. Flash exposure lebel indication

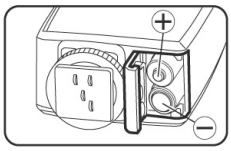
■ BASIC OPERATION

Inserting batteries

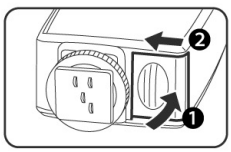
- Open the Battery compartment door and insert 2 x size AAA batteries as shown in the picture.



- Make sure the + and −battery contacts are correctly inserted as +/− symbol indicated at the Battery compartment.



- Close the Battery compartment door.

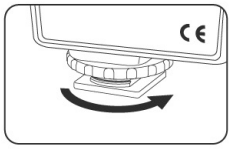


NOTE

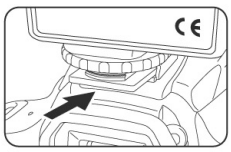
- Wrong insertion or using different size batteries may result damage on the flash unit.
  It is recommended to use all 2 batteries in same brand and type, and replace them all at the same time.

Mounting Di28 on the Camera

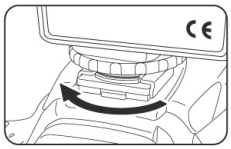
- Turn the Lock ring to loosen it as shown in the picture.



- Slide the Mounting foot of Di28 into the hotshoe of the camera.



- Turn the Lock ring to opposite direction to tighten it.



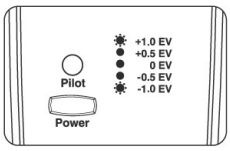
Removing Di28 from the Camera

- Loosen the Lock ring and slide the Mounting foot of Di28 off the hotshoe of the camera.

NOTE

- Before mounting or removing Di28 into or from the camera, make sure to turn off the power switch of both Di28 and the camera.

Turn on the flash unit



- Press the Power switch for about 3 sec. Pilot lamp turns to Orange showing the unit is in charging. In several seconds, the Pilot lamp turns to Green showing the flash is ready to shoot.
- For a test flash, press the Pilot lamp . The test flash can also be used as an open flash shot.
- To turn off the flash unit manually, press the Power switch for 3 sec. again.
  If you do not use Di28 for longer period, it is recommended to turn the unit off.

Di28 has energy saving double power off function.

- Di28 has energy saving double power off function.
- To save battery energy, the power is automatically turned off to stand-by mode, in about 2 minutes of idle use.
  (When Di28 is placed on Canon camera, it will turn to stand-by mode after 5sec. approx. when the camera has been turned off or turned to stand by mode.)
- While Di28 is in the stand-by mode a Pilot lamp blinks every 5 seconds showing the flash unit is in stand-by mode.
- To turn on Di28 again, press the camera's shutter button halfway or press any button of the flash unit.
- In case Di28 is not in use over 30 minutes, the unit is completely turned off and shut out the current leakage from the batteries.
- To turn on Di28 again, take the first step of turning the flash unit on.

Shooting Di28 automatically

Canon cameras;

[**P**](Program), [□](Full Auto),
[**Av**](Aperture priority),
[**Tv**](Shutter priority) or [**M**](Manual)

Nikon cameras;

[**P**](Program), [AUTO](Full Auto),
[**A**](Aperture priority), [**S**](Shutter priority) or
[**M**](Manual)

In all camera's shooting mode listed above, Di28 will fully work in TTL (ETTL, ETTL-II for Canon, and iTTL for Nikon) automatic-flash system.

- Set Di28 to the camera's hotshoe and turn on the power switch.
- Di28 is automatically set for the camera's TTL mode when ready lamp lights up.
- Press the shutter button of your camera halfway to focus the subject.
- Shutter speed, aperture and flash mark (⚡) are indicated in camera's view finder.
- Take the picture. Di28 is fired and the result is immediately shown on the camera's LCD display.
- The flash illumination coverage of Di28 responds to the lens focal length of 19mm and 14mm (with light diffuser).

Di28 helps your taking a creative and live picture. Almost all jobs are automatically done by the camera and you just concentrate to control your camera.

Mode		Shutter Speed	Aperture Setting	Control on the camera
Canon	Nikon			
[□]	[AUTO]	Automatic	Automatic	Automatic
[**P**]	[**P**]	Automatic	Automatic	Automatic
[**Tv**]	[**S**]	Manual	Automatic	Any available shutter speed can be set.
[**Av**]	[**A**]	Automatic	Manual	Any available f-stop can be set.
[**M**]	[**M**]	Manual	Manual	Any shutter speed / f-stop combination can be set.

■ JOY OF FLASH PHTOGRAPHY

Flash exposure compensation

With the latest TTL flash control system, the flash power is always automatically controlled by the camera for the most appropriate exposure. You wish if you can soften or weaken the flash light, or give more light to the subject without changing the environmental exposure effect.

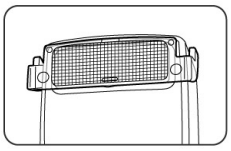
Di28 can make it possible quickly for each shot at respective occasion of flash picture.

- Flash exposure compensation is provided in 5 steps by half Ev increment for −0.5, −1.0, ±0, +0.5 and +1.0Ev.
- Set the Flash exposure compensation selector to the power level you desire.
- When Di28 is ready to shoot, the pilot lamp turns Green, the compensation level of even(±0Ev) level as default value.
- Press the Power switch, the Pilot lamp turns, by each press, to Blue (−0.5Ev) → Blue blinking (−1.0Ev) → Red (+0.5Ev) → Red blinking (+1.0Ev), then back to default value of Green. (The color blinking cycles every second)
- Take a picture and the aimed subject is shown with required lighting effect by keeping the background exposure level as originally expected.
- On some cameras, the flash compensation setting is provided in its menu mode.
  This mode is usually set for permanent use, and the Flash exposure compensation of Di28 is, in this case, to be counted in addition to the compensation you selected in the camera's menu mode.

Fill-in flash by using Light diffuser

For short distance or portrait flash photography, we wish if the light is not too sharp or too strong to the subject. It is recommended to diffuse the light.

If the subject is in close distance(within 2 meter), place the light diffuser on the flash window as shown in the picture.



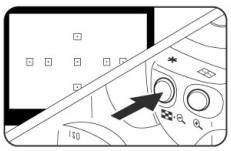
- Take a picture as usual. A blink of fill-in flash freshens up the subject in natural image.
- This technology is also useful to eliminate the shadow on the subject under the tree.
- The diffuse panel makes the flash light soften and creates a lively color effect on the subject.
- Since the light diffuser expands the lighting area, it covers the range of 14mm focal length lens.

Flash Power Lock System

When the back ground of the main subject is too bright, the camera's exposure reading system adjusts the flash light intensity for such back ground condition and it result the main subject underexposed. Or in case the main subject is not placed in the center of the viewfinder, flash picture may result the aimed subject under or over exposure.

You can lock the correct flash exposure to the aimed subject in such a condition.

With **Canon** cameras; **FE lock**

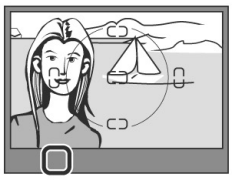


- Focus the subject.
- Aim the viewfinder center over the main subject and press [✱] button on the camera (or [**FEL**] button on some cameras).

- Pre-flash is fired to pre-set the correct light amount for the main subject.
- Return the shooting angle to cover the picture frame you required and release the shutter. Di28 give a correct exposure on the main subject you aimed.

Remarks: FEL only work on P, TV, AV, M & A-Dep mode.

With **Nikon** cameras; **Fv lock**



- Select Fv lock mode in your camera's menu mode.
- Focus the subject.
- Aim the viewfinder center over the main subject and press [**AE-L**] button on the camera (or [**AF-L**] button on some cameras).
- Pre-flash is fired to pre-set the correct light amount for the main subject.
- Set the picture frame as you desire and release the shutter. Di28 give a correct exposure on the main subject you aimed.

Following functions are available on Nikon cameras. Refer to camera owner's manual.

- Slow shutter synchronization
- Red-eye reduction
- Rear curtain synchronization

■ SPECIFICATIONS

	Canon EOS digital SLR cameras	Nikon digital SLR cameras
Usable cameras	D300(Rebel), D350(Rebel XT), D400(Rebel XTi), D10, D20, D30, D5, 1D mark II, 1D mark II N, 1Ds mark II, and Proshot G7	D40, D40x, D50, D70, D70s, D80, D200, D2Xs, D2X, D2Hs, D2H, and Coolpix P5000, Fuji FinePix S5Pro.
Guide No.	20/65 (ISO 100 m/ft)	
Illumination coverage	19mm (14mm with light diffuser)	
Power source	2 x size AAA batteries (Size AAA Ni-MH or lithium batteries usable)	
Battery life	70-1500 flashes according to the taking picture condition (with alkaline batteries)	
Energy Saving	Come to Stand-by mode in 2min., and Power off in 30 minutes after the power on or the last use of flash unit.	
Recycle time	0.2-5.5 sec. with fresh alkaline batteries 0.2-4 sec. with Ni-MH batteries	
Flash Exposure	Automatic exposure	
	ETTL II, E-TTL	iTTL
Color Temperature	5600 K°approx.	
Flash Duration	1/1500-1/20,000(controlled flash) sec.	
Weight	100gr. Without battery	
Dimensions	58(W)x37(D)x92(H)mm	

■ TROUBLE SHOOTING

The flash unit does not start charging.

- Batteries are not correctly installed
  >>> Install batteries to correct direction.
- Batteries are exhausted
  >>> Replace the batteries if the recycle time beyond 30 sec.

The flash unit does not fire.

- The flash unit is not firmly clipped on the camera
  >>> Mount the flash unit firmly on the camera's hot shoe.
- The flash unit is automatically powered off
  >>> Turn on the switch again.

The flash picture is overexposed or underexposed.

- A reflective object or strong lighting near the subject >>> Use FE or Fv lock.

CAUTIONS :

In case of the following reason of the defect, it may void the warrantee. Please refer the respective warrantee condition for details which depend on the country by country.

1. The product is not used in accordance with the instruction of the owner's manual.
2. The product is repaired or modified by the one who is not an authorized repair service.
3. When the products is used with the cameras not applicable, lens, adaptors or such accessories produced by the third party.
4. Fault or defect caused by fire, earthquake, flood, public pollution and such natural accident.
5. In case that the product is stored in dust, moisture, extremely high temperature or such poor condition.
6. Scratch, blemish, crush or worn out by a violently use or treatment.
7. Guarantee card without name of place purchased or date of purchase stamped, or no guarantee card.